REMARKS

Claims 1-20 are pending. 1-15 and 18 are rejected. Claims 16, 17, 19 and 20 are allowed. Claims 9, 15 and 18 have been amended. No new matter has been added as a result of the amendments.

Specification

The Examiner objected to the specification as including informalities that were outlined in the outstanding Office Action. The informalities specified by the Examiner have been addressed by the amendments to the specification made herein. It should be appreciated that the Applicants respectfully disagree with the assertion of the Examiner in the outstanding Office Action that the specification is required to include a section entitled "Cross References to Related Applications" to list Applications from which subject matter is incorporated by reference. However, the specification has been amended to make the incorporations by reference that are already a part of the specification complete as was required by the Examiner. Consequently, the Applicants request the withdrawal of the objections to the specification made in the outstanding Office Action.

101 Rejections

The Examiner rejected Claims 9, 15, 18 under 35 USC 101 as being directed to non-statutory subject matter. Claims 9, 15, and 18 have been amended to include a positive recitation of computer code that when executed causes a computer to perform the steps recited in the corresponding independent Claims. Consequently, the Applicants respectfully request the withdrawal of the rejection under 35 USC 101.

112 Rejections

The Examiner rejected Claims 1-15 under 35 USC 112 first paragraph as containing subject matter which was not described in the specification in such a way as to enable one

skilled in the art to which it pertains, or with which it is most nearly connected, to make and or/use the invention. The Examiner pointed out that the Claims contain the limitation "determining mutually exclusive operations from the specified processor operations based on the desired instruction level parallelism" The Examiner contends that "the specification does not appear to teach how one reasonably skilled in the art would determine the sets of mutually exclusive operations." At page 17, lines 25-30 of the specification, the Applicants disclose that input specifications identify groups of operations and the instruction level parallelism that exist between them. The groups of operations are termed "exclusion groups". In other words, mutually exclusive operations are determined from an identification of the instruction level parallelism that exists between the groups of operations. The Applicants respectfully submit that the above referenced discussion clearly describes how sets of mutually exclusive operations are determined. Consequently, as the manner in which mutually exclusive operations are determined is clearly described in the specification, the Applicants respectfully request the withdrawal of the rejection under 35 USC 112.

Allowable Subject Matter

The Applicants wish to thank the Examiner for the indication of allowable subject matter made in the outstanding Office Action. The Applicants respectfully submit that the arguments made above with respect to the 112 rejection of Claims 1-15 rebuts the basis given for the rejection of these Claims. Consequently, the Applicants respectfully submit that the remaining Claims in the application (e.g., 1-20) are now in condition for allowance.
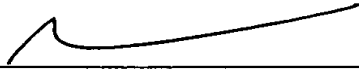
Conclusion

In light of the above-listed remarks, Applicants respectfully request allowance of the remaining Claims.

The Examiner is urged to contact Applicants' undersigned representative if the Examiner believes such action would expedite resolution of the present Application.

Respectfully submitted,

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